

Message

From: Lindstrom, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=04BF7CF26AA44CE29763FBC1C1B2338E-LINDSTROM, ANDREW]
Sent: 3/11/2021 7:50:50 PM
To: Post, Gloria [Gloria.Post@dep.nj.gov]
Subject: RE: Question about PFAS definition and nomenclature

Gloria,

We're also working with Zhanyun on this topic.

I've got a meeting at 3:00 and then I'm done for the week. I hope we can catch up Monday!

Takes care,

Andy

From: Post, Gloria <Gloria.Post@dep.nj.gov>
Sent: Thursday, March 11, 2021 2:43 PM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: Fw: Question about PFAS definition and nomenclature

This is what I wanted to ask you about.

From: Wang Zhanyun (IfU, ESD) <zhanyun.wang@ifu.baug.ethz.ch>
Sent: Thursday, March 11, 2021 2:32 PM
To: Post, Gloria <Gloria.Post@dep.nj.gov>
Cc: Ian Cousins <ian.Cousins@aces.su.se>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>
Subject: [EXTERNAL] Re: Question about PFAS definition and nomenclature

Dear Gloria,

Thanks for your email. Yes, your understanding is correct that compounds such as dicarboxylic acid perfluoroethers, chloroperfluoropolyether carboxylates (ClPFECAs), and chlorinated polyfluorinated ether sulfonates are not considered to be PFAS using the Buck et al. (2011) definition. Therefore, OECD (2018) unofficially extended the definition to compounds that contain -CnF2n- must be present, rather than -CnF2n+1. Ian, some other colleagues and I are currently working on a new OECD report to make this expansion (more) official. In the attachment, you may find the latest draft (which hopefully will become the final version soon). The rationale for this expansion is also elaborated in the new report. As this draft isn't finalised yet, please keep it only for your own internal understanding and don't distribute it. Should you have any further questions or suggestions, please don't hesitate to let us know. Thanks!

Best regards,
Zhanyun

On 11 Mar 2021, at 18:53, Post, Gloria <Gloria.Post@dep.nj.gov> wrote:

Zhanyun and Ian,

I have a question about the OECD (2018) and Buck et al. (2011) definitions of PFAS. I am copying my colleague Dr. Sandra Goodrow here, since we are working together on a writeup that discusses definitions of PFAS.

Is it correct that PFAS that do not include a $-CF_3$ carbon, including dicarboxylic acid perfluoroethers, chloroperfluoropolyether carboxylates (CIPFPECAs), and chlorinated polyfluorinated ether sulfonates (e.g. F53B) are not considered to be PFAS using the Buck et al. (2011) definition, but are classified as PFAS using the OECD (2018) definition? How is what wrote above different from the statements in Buck et al.. (2011) that the C_nF_{2n+1} group must be present, while OECD (2018) says that C_nF_{2n} must be present?.

Since I am not a chemist, I am wondering if I am thinking about this too simplistically and missing something.

Thank you!

Best regards,
Gloria

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